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File

TID/TAB - 70/64
15 April 1964

25X1

25X1

MEMORANDUM FOR THE RECORD

SUBJECT: Meeting on Digital Stereo-Viewer and Point Transfer Device

15 Apr.

25X1

1. A meeting was held on 7 April 1964 in PDS 25X1

2. The meeting was held as a result and in answer to the TAB memorandum expressing concern over certain proposed technical developments of the Stereo-Viewer and Point Transfer Device. The discussions were constructive and accomplished exactly what TAB had hoped would result from its Memorandum for the Record TID/TAB 64/64.

3. The subject of obtainable system accuracy was discussed and in answer to the request from TAB for a more detailed documentation on accuracy a new accuracy proposal was presented to the TAB personnel. 25X1
This proposal clarified a great many unanswered questions TAB had on the system accuracy of the instrument. Concern was still expressed by TAB personnel that this proposed accuracy would be hard to obtain with the ball lead screws and it was asked if the contractor would guarantee the proposed system accuracy. explained the procedures that the contractor was taking to obtain this accuracy including the reworking of the screws. He also felt that the 25X1
integrity of the contractor meant a great deal in this case and that while he did not know what final degree of accuracy would be obtained he felt sure that the contractor would do his very best to meet the proposed requirements. It was then agreed by all that PDS should accept the new proposal and proceed with the development of the instrument.

4. PDS members asked what type of digitized readout TAB wanted for the instrument. informed them that TAB intended to use the instrument 25X1
on-line.

5. The question of incorporating handwheels in addition to a joystick 25X1
was discussed. expressed the opinion that the handwheels were not necessary and he explained the advantage of a joystick operation over the hand-wheels in stereoscopic measurements. It was pointed out that while two handwheels are required for vectorial motions in monoscopic measurements that four hand-wheels would be needed in stereoscopic measurements because of the dual stage motion inherent in a stereo comparator. The joystick was designed to solve this problem combining the four translational motions of the two stages into one single motion activated by the movement of the joystick. Concern was expressed by TAB as to the sensitivity of the joystick and it was pointed out that the nature of the stepping motor governing the operation of the joystick would provide an extremely sensitive response. recommended that 25X1

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TAB forget the handwheel for the time being and go along with the present proposed joystick and to evaluate it objectively. If at this time TAB still has reservations and finds that the joystick is not sensitive enough or cannot meet the production requirements, then the handwheels will be added as a retrofit package. It was also pointed out that the addition of the handwheel at this late stage of the contract could possibly present many problems. As an example it could change the scope of the present contract thus allowing the contractor to renegotiate the total contract adding on much higher costs. The final decision on this item was to be withheld until [redacted] 25X1
April where this matter would be discussed in detail.

6. TAB was informed that their concern on the multicontrol joystick was no longer applicable. The joystick now proposed will be simple in concept.

7. The meeting was closed with PDG assuring TAB of a continued effect to coordinate all decisions and to have TAB personnel inspect the equipment components at their earliest stage of development.

SIGNED

[redacted] 25X1

Distribution:

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1 - Asst/Plans and Development/Attention [redacted] 25X1
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